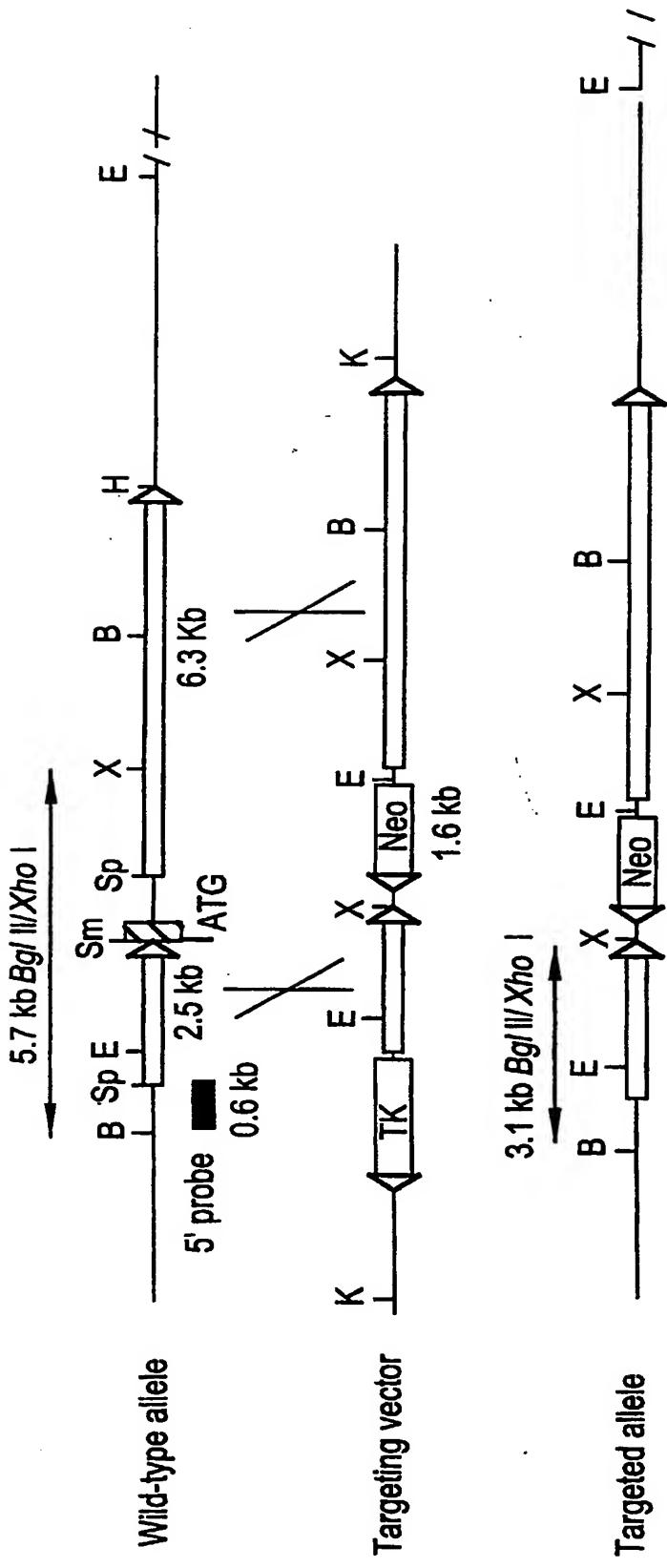


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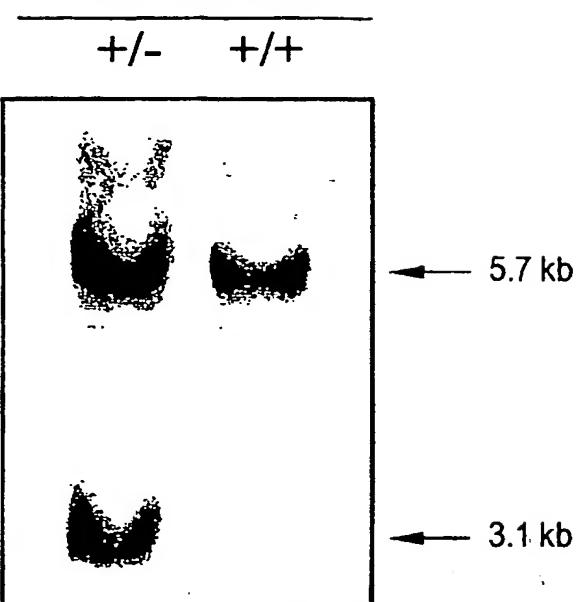
FIG. 1A



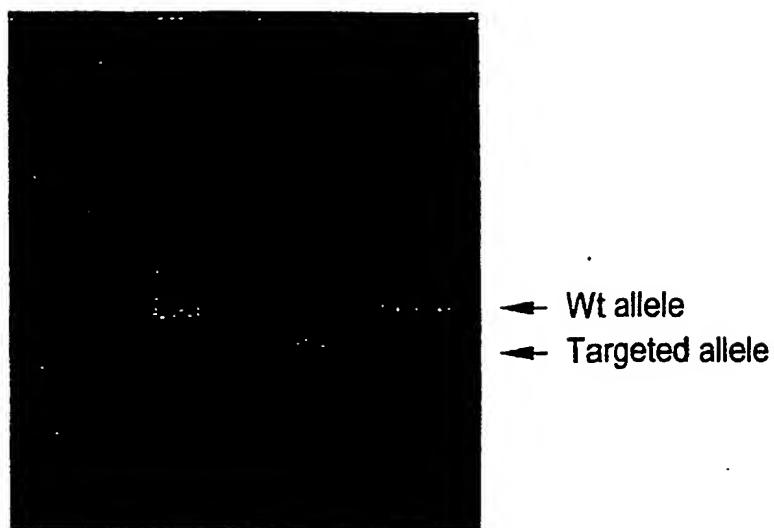
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**FIG. 1B**

ES clone genotype

**FIG. 1C**

M      +/+    -/-    +/ -



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FIG. 1D

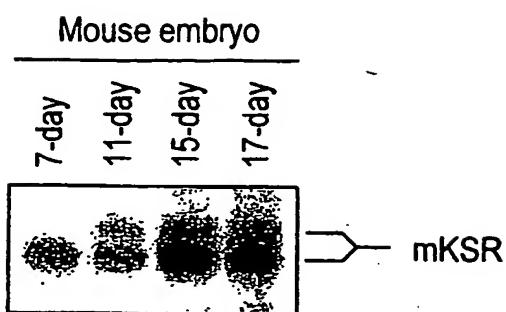


FIG. 1E

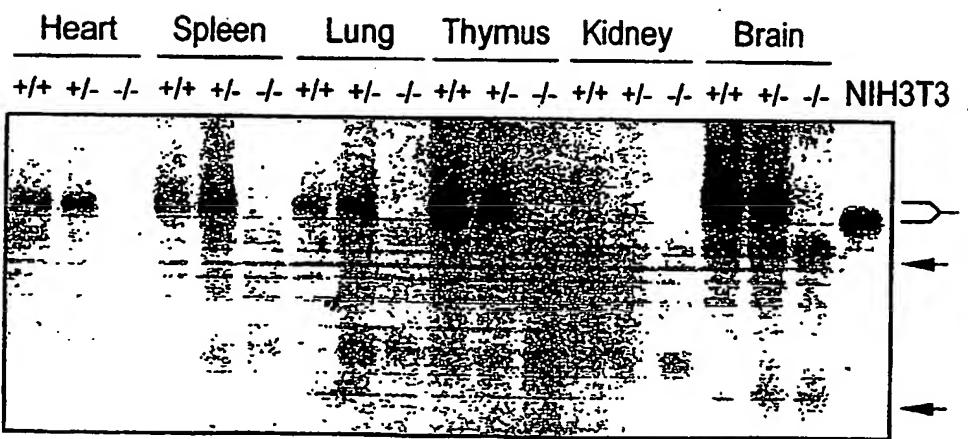
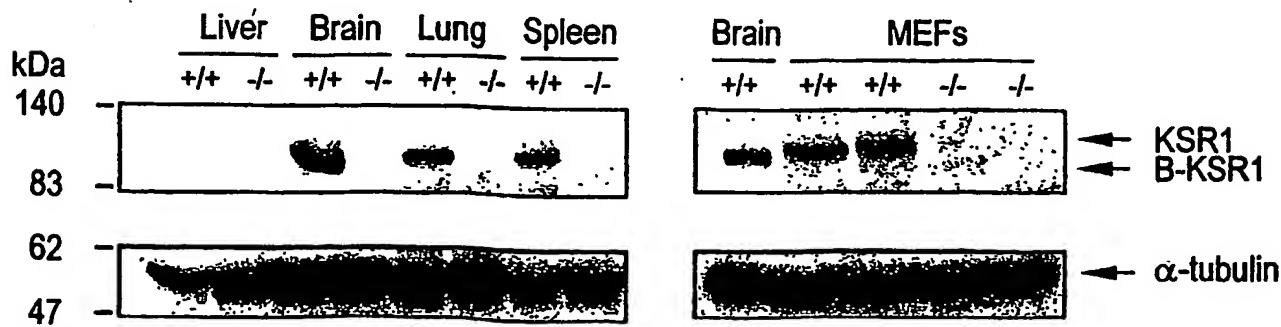


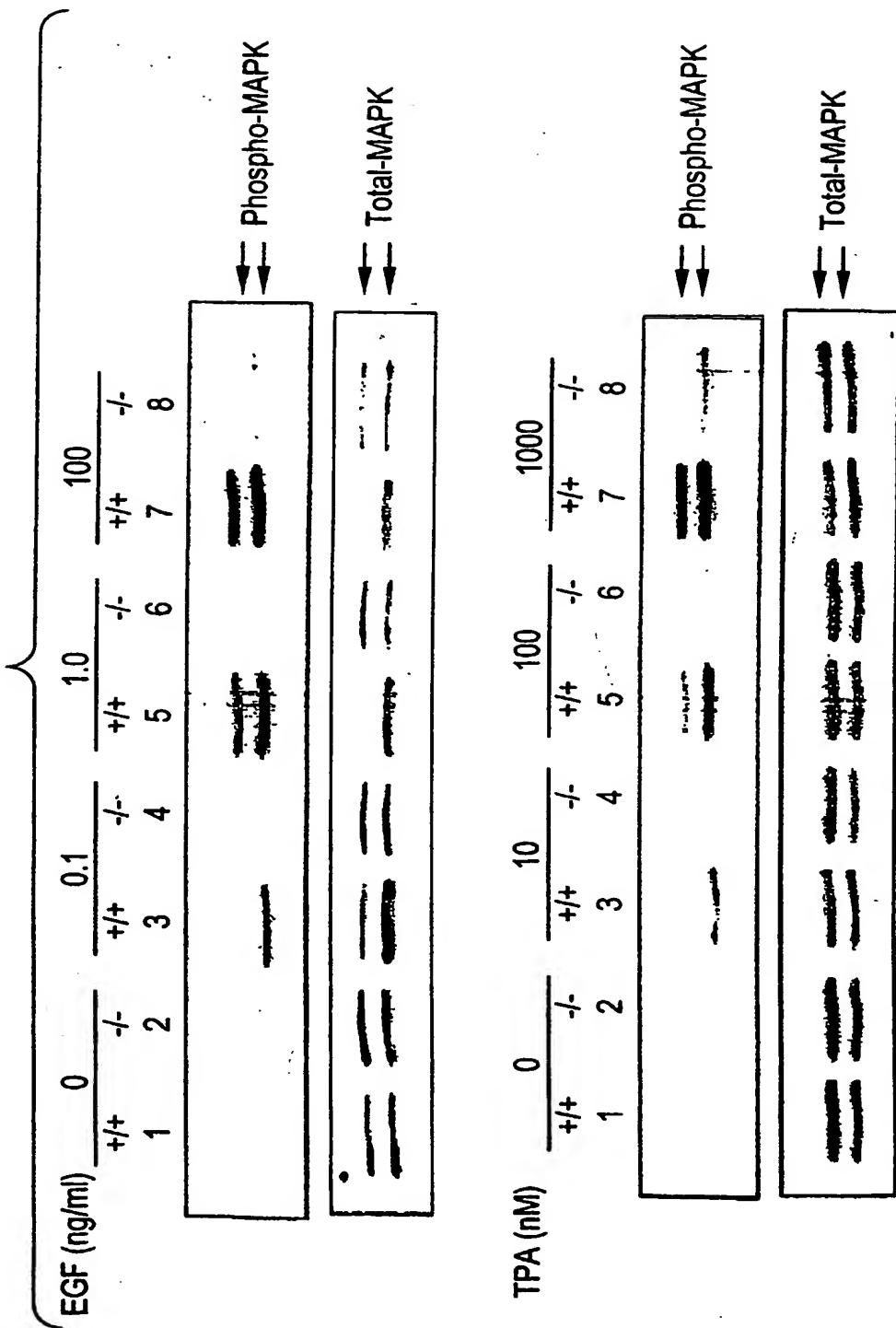
FIG. 1F



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**FIG. 2A****a - KSR +/+****FIG. 2B****b - KSR -/-****FIG. 2C****c - EGFR +/+****FIG. 2D****d - EGFR -/-**

FIG. 3A



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FIG. 3B

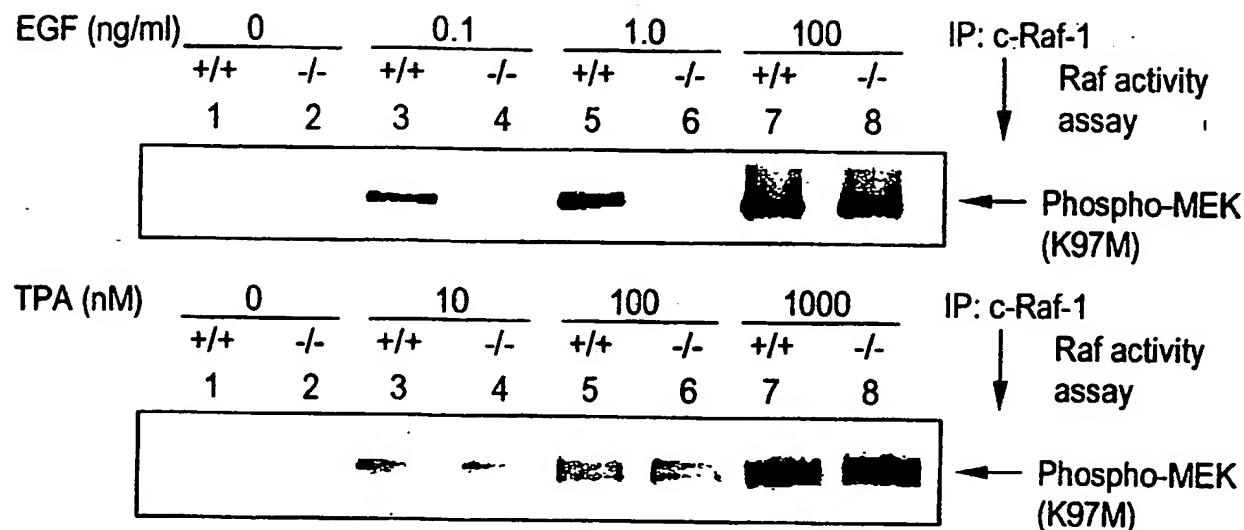
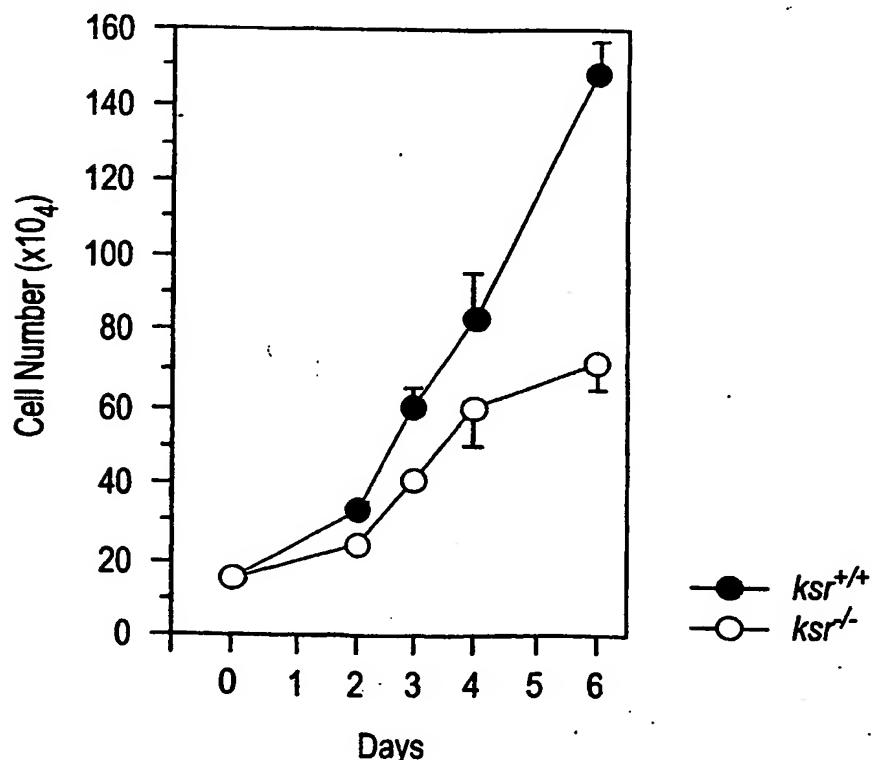
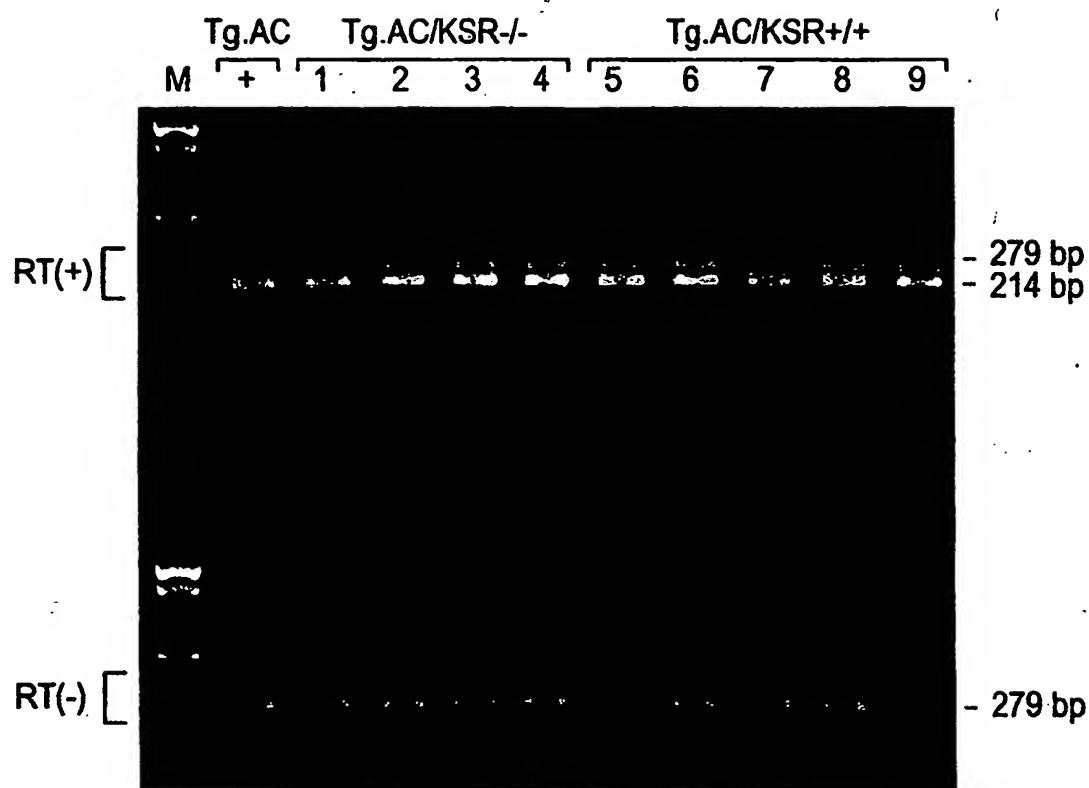


FIG. 3C



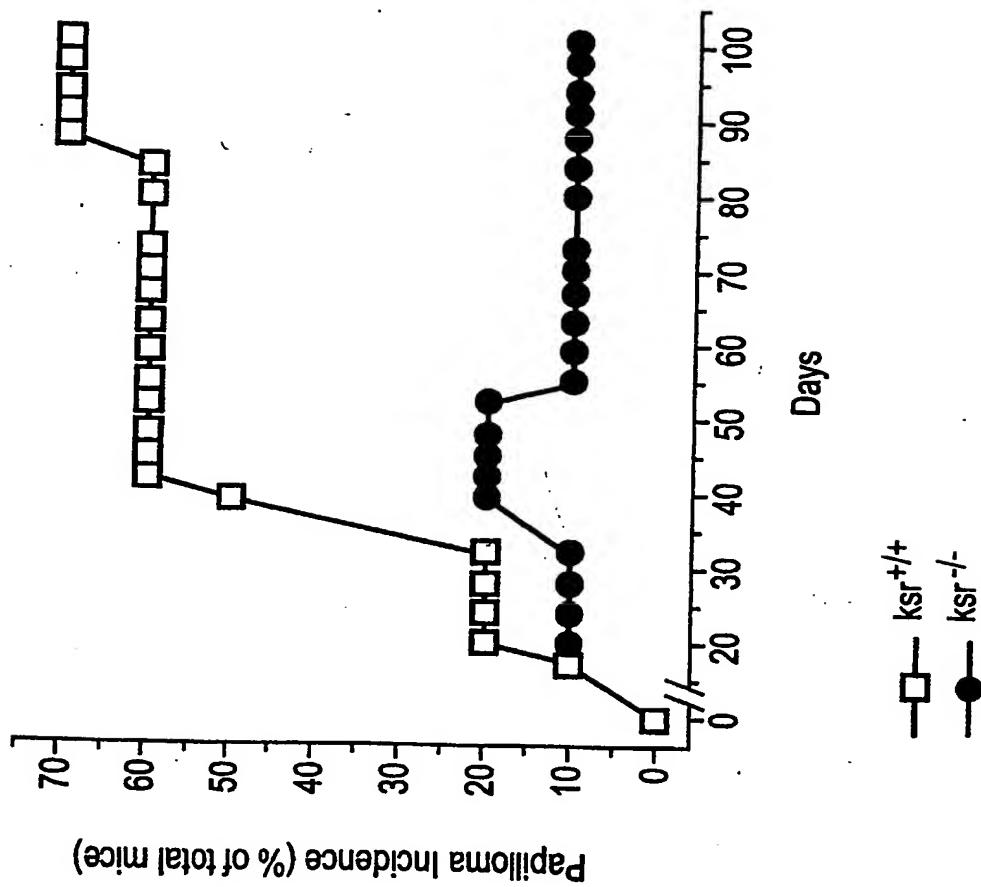
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FIG. 4A

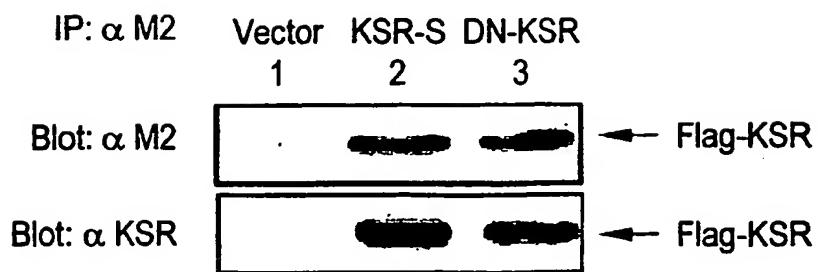
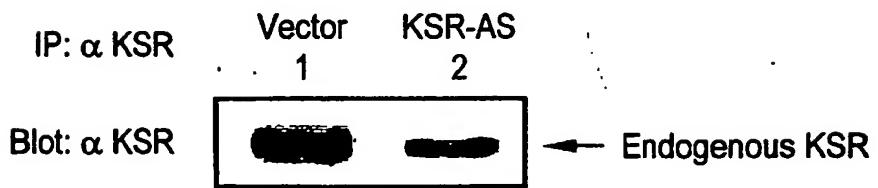
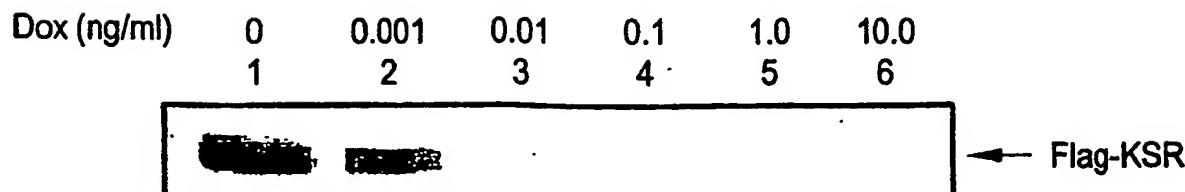


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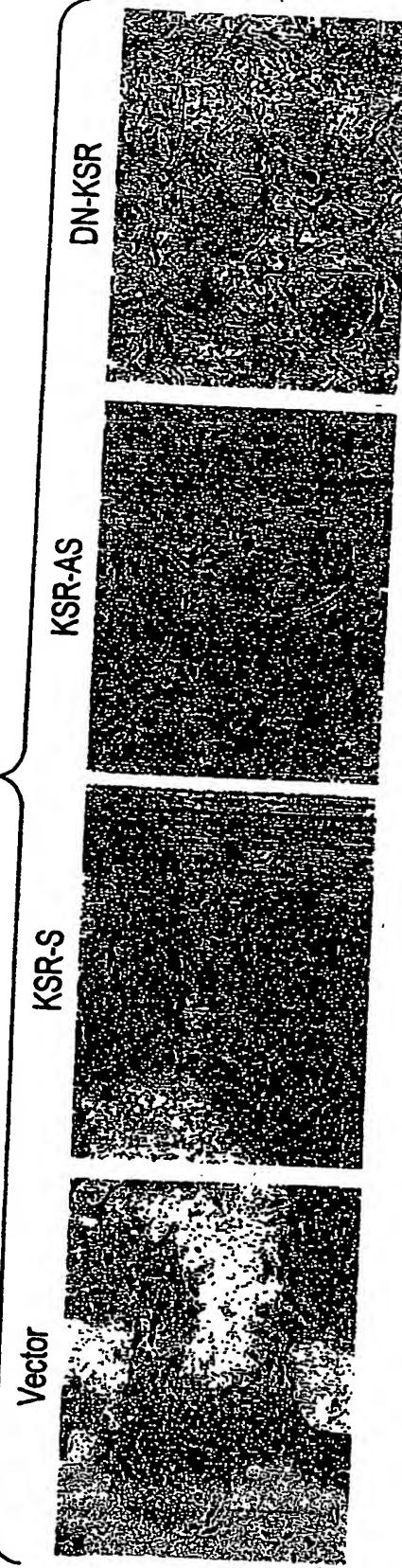
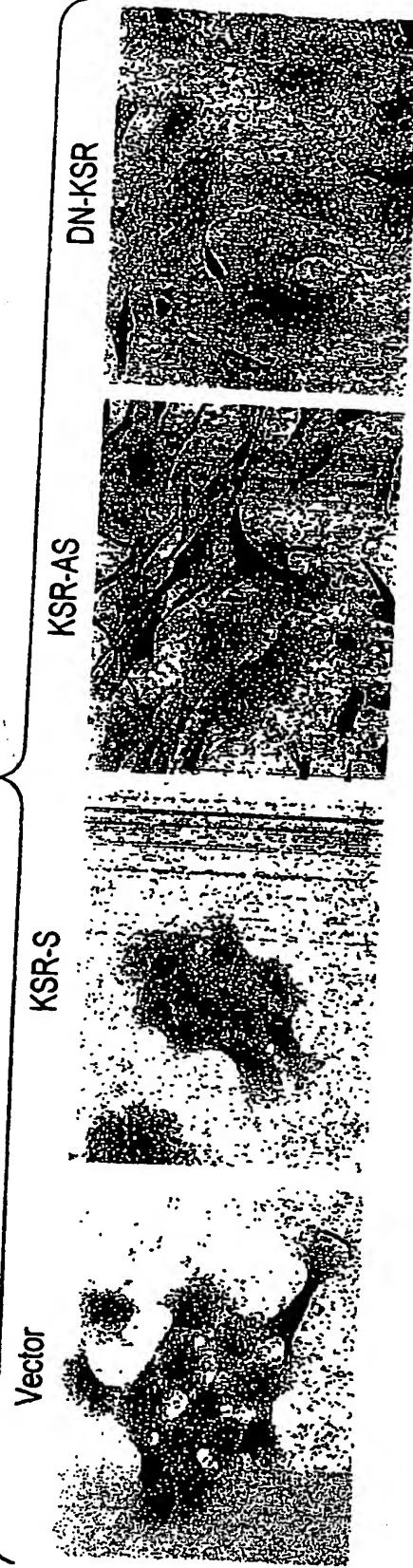
FIG. 4B



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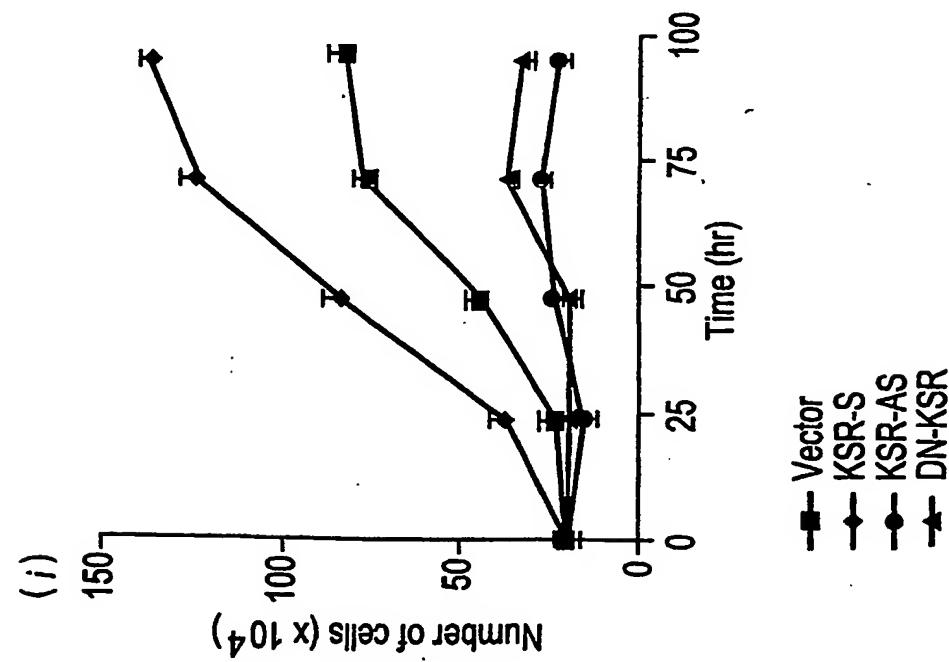
**FIG. 5A****FIG. 5B****FIG. 5C**

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**FIG. 5D****FIG. 5E**

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FIG. 6A



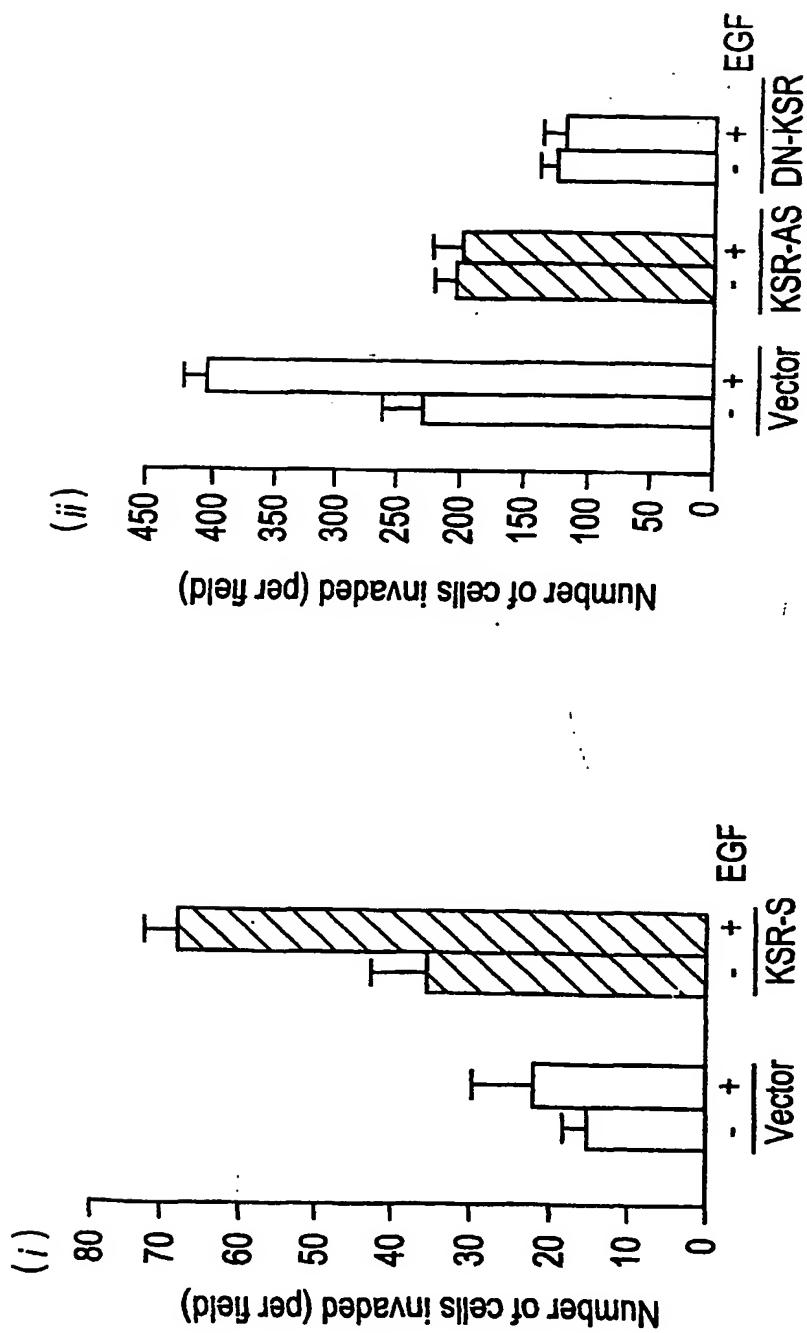
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## FIG. 6B

	% G1	% S	% G2
Vector	40.1	45.1	14.8
KSR-S	25.2	60.8	14.0
KSR-AS	16.4	23.2	60.4
DN-KSR	24.2	24.8	51.0

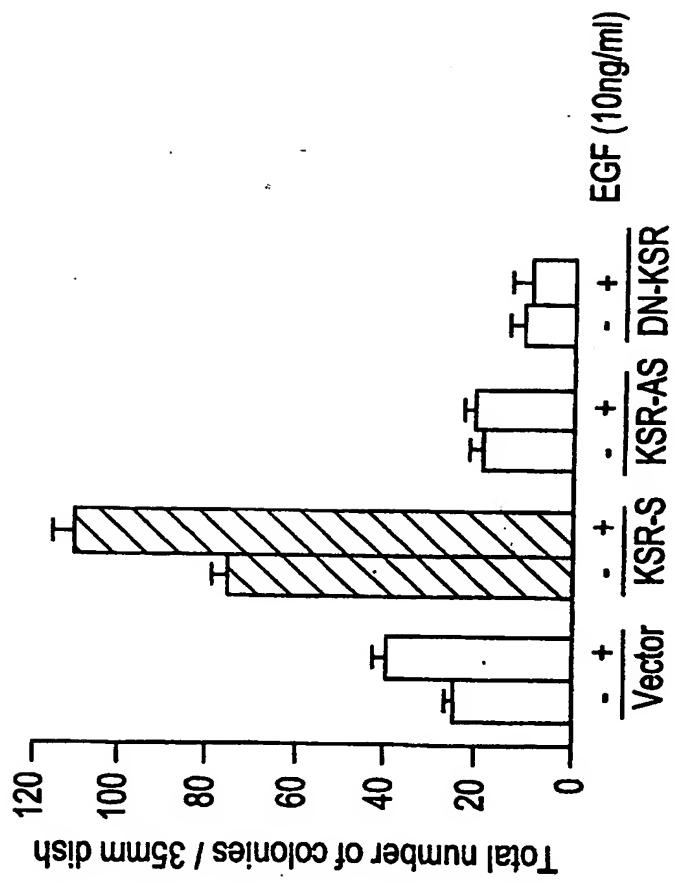
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FIG. 6C



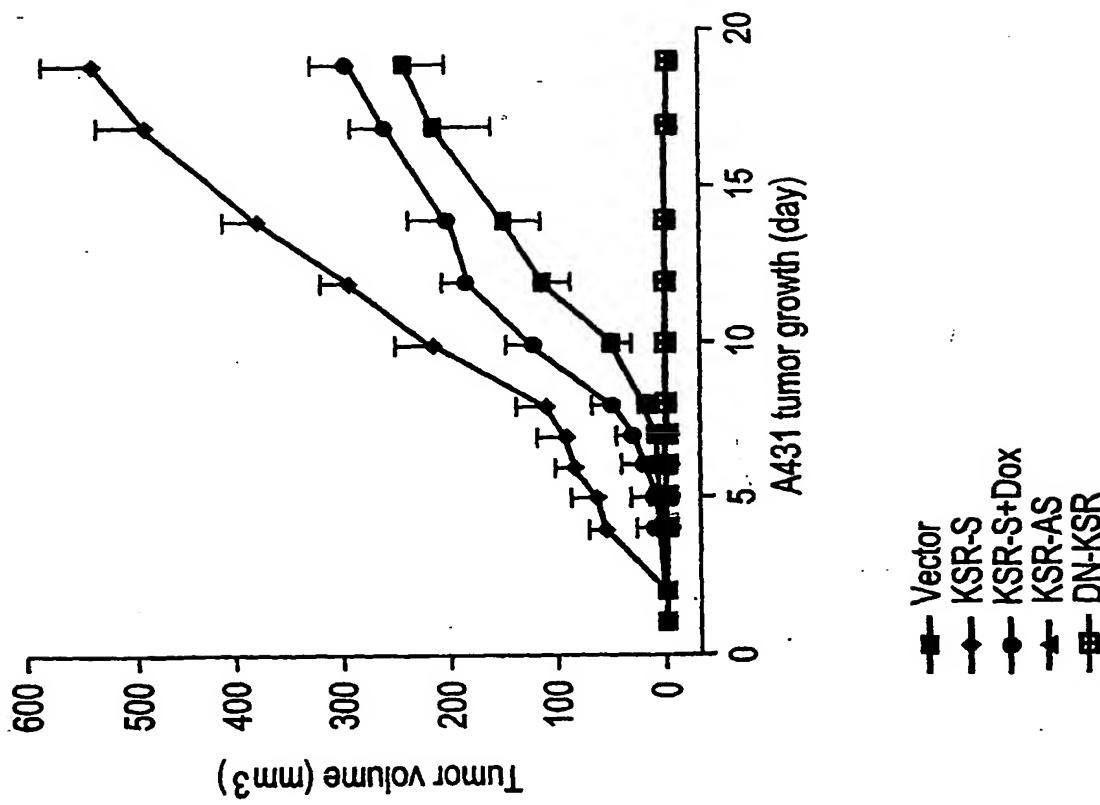
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FIG. 6D



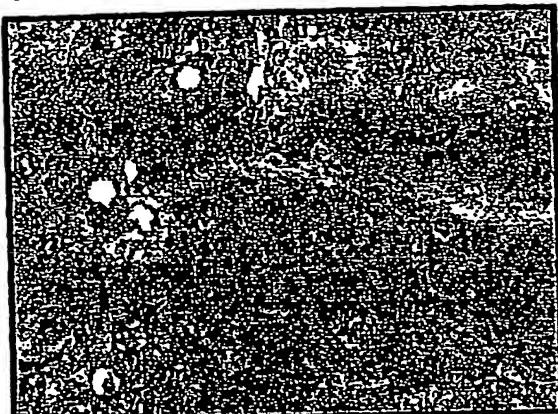
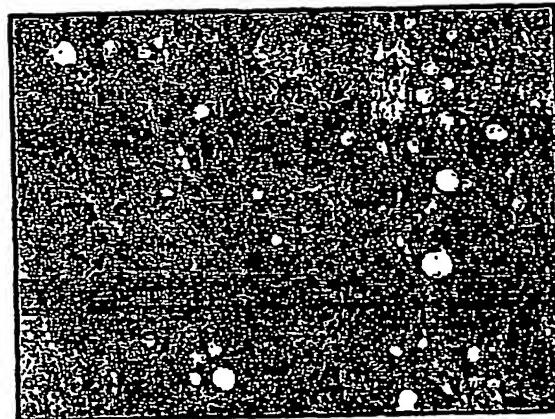
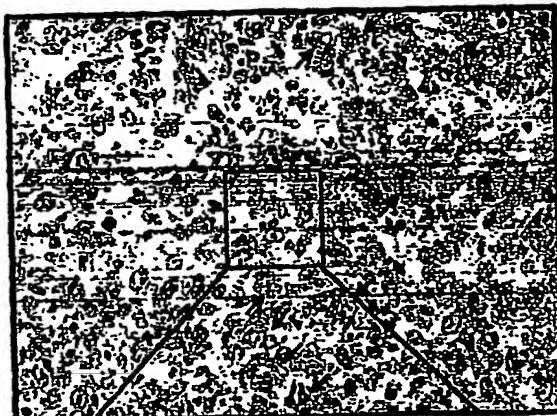
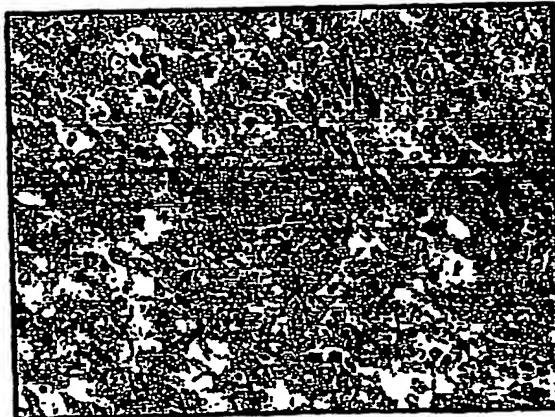
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FIG. 7A

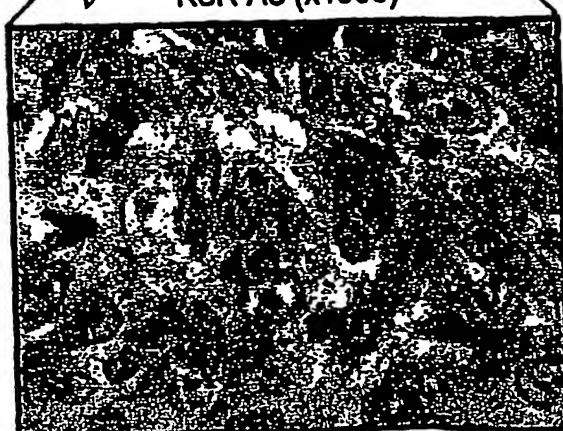


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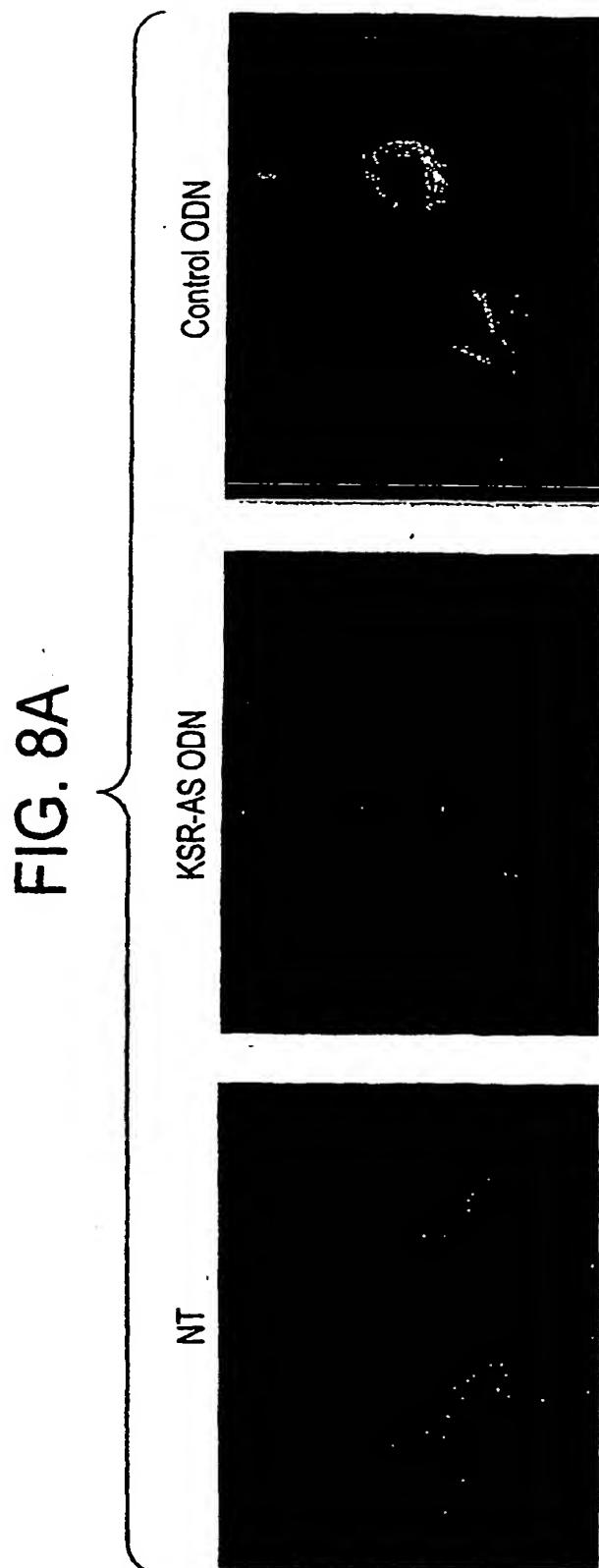
FIG. 7B

*i* Vector*ii* KSR-S*iii* KSR-AS*iv* DN-KSR*v*

KSR-AS (x1000)

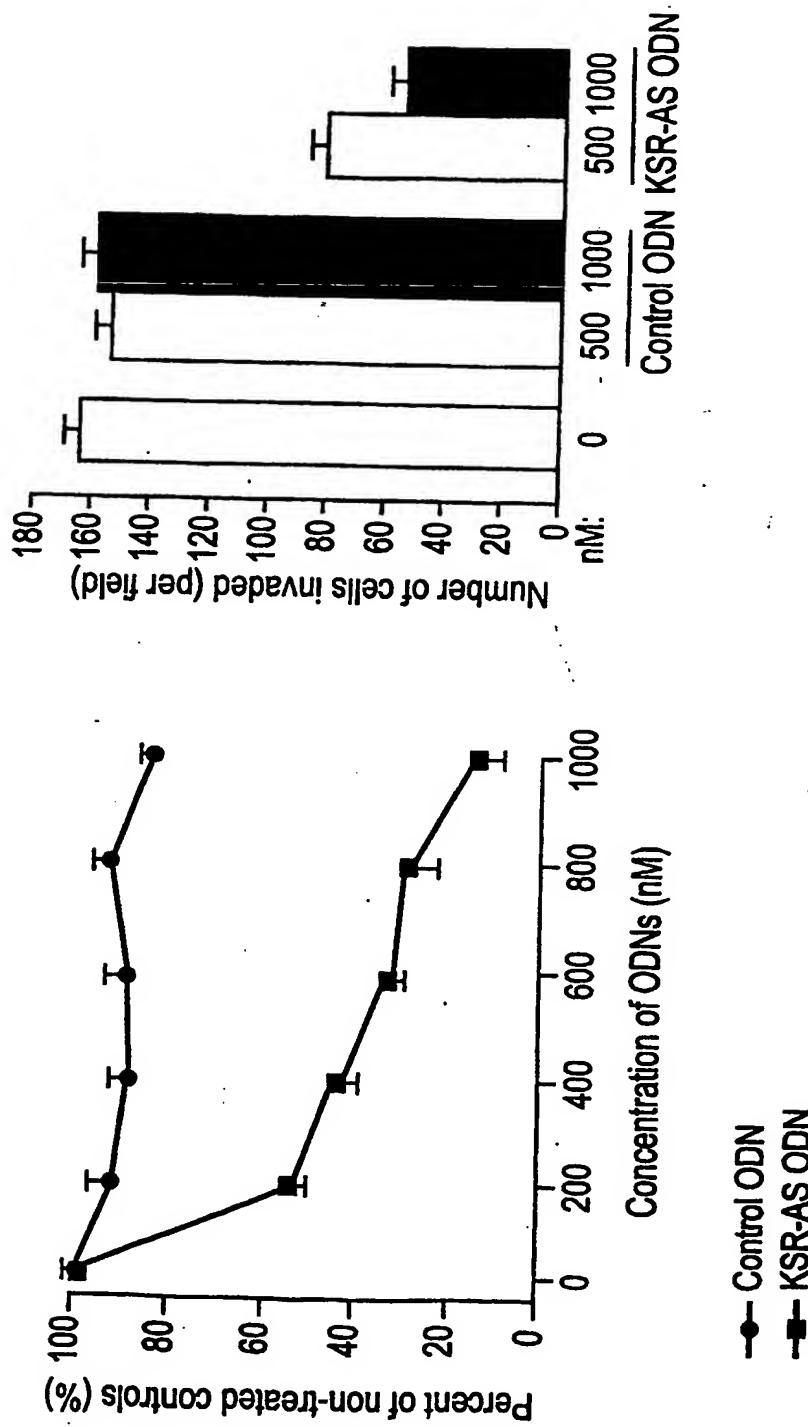


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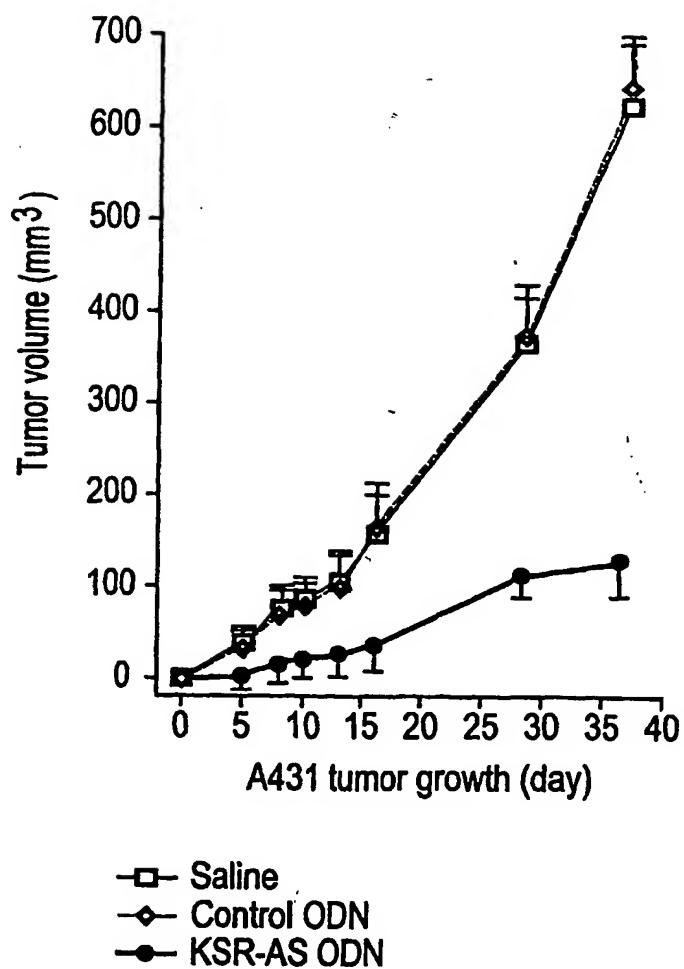
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FIG. 8B  
FIG. 8C



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FIG. 8D



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Fig. 9A

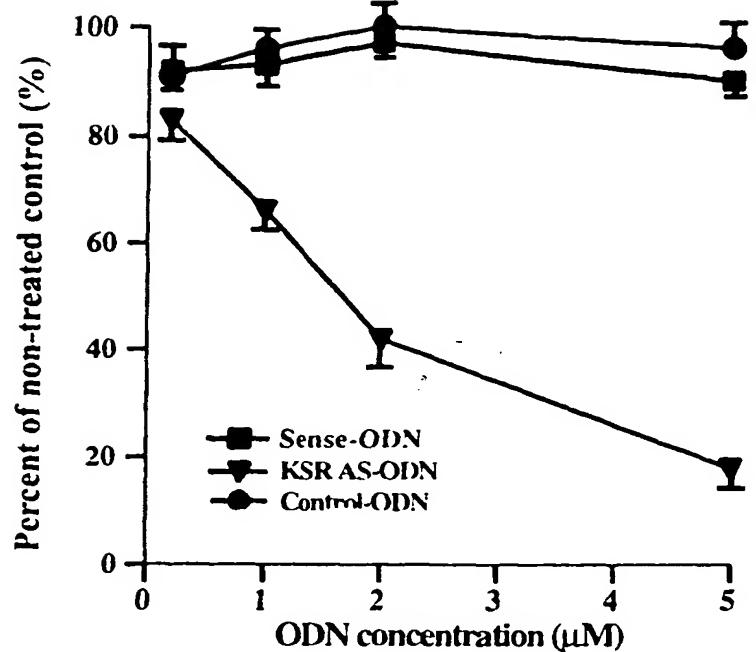
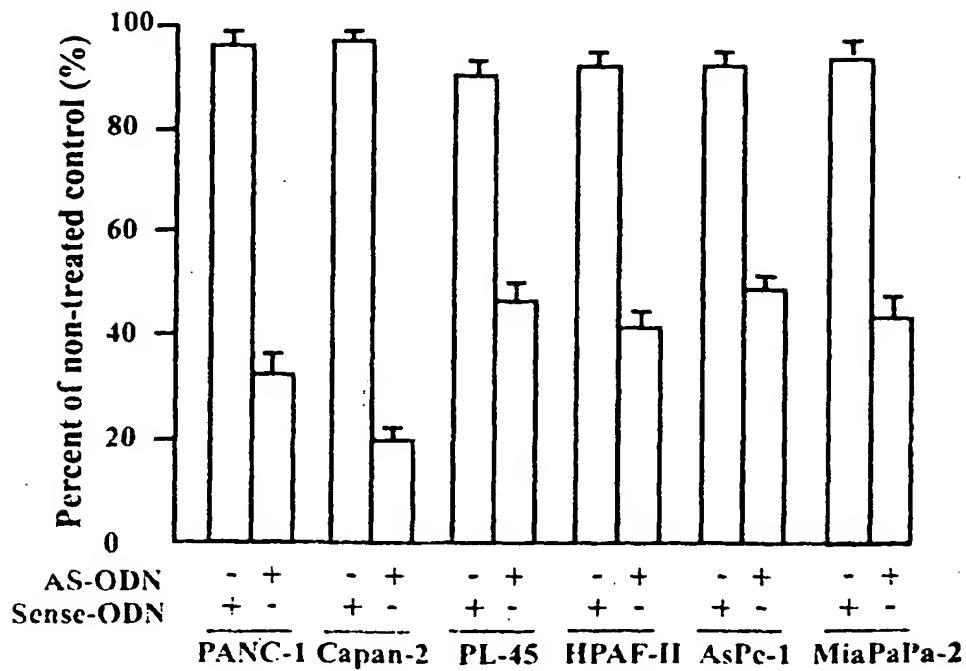


Fig. 9B



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FIG. 9C

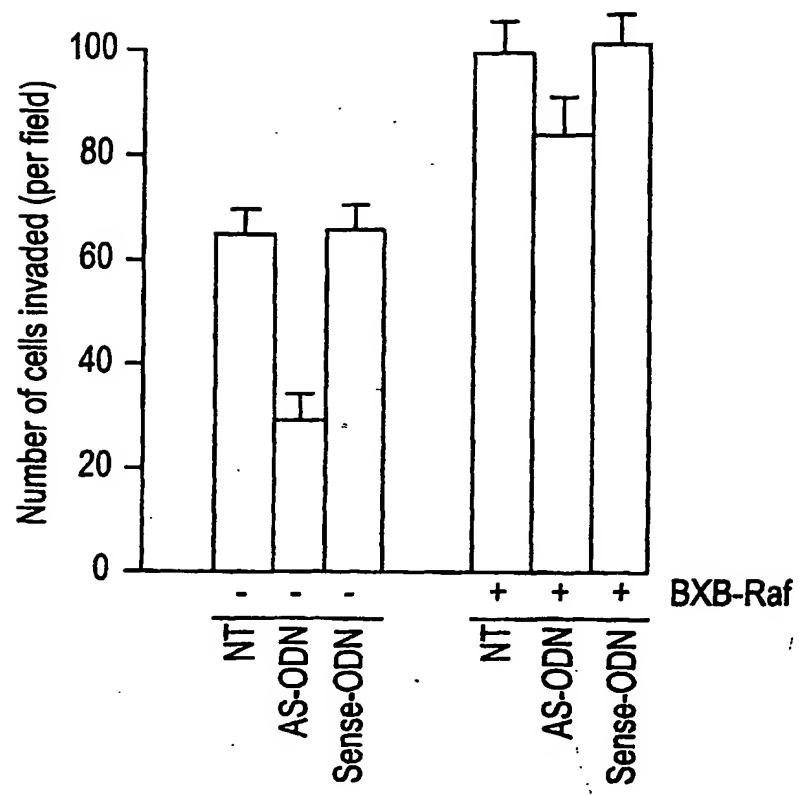
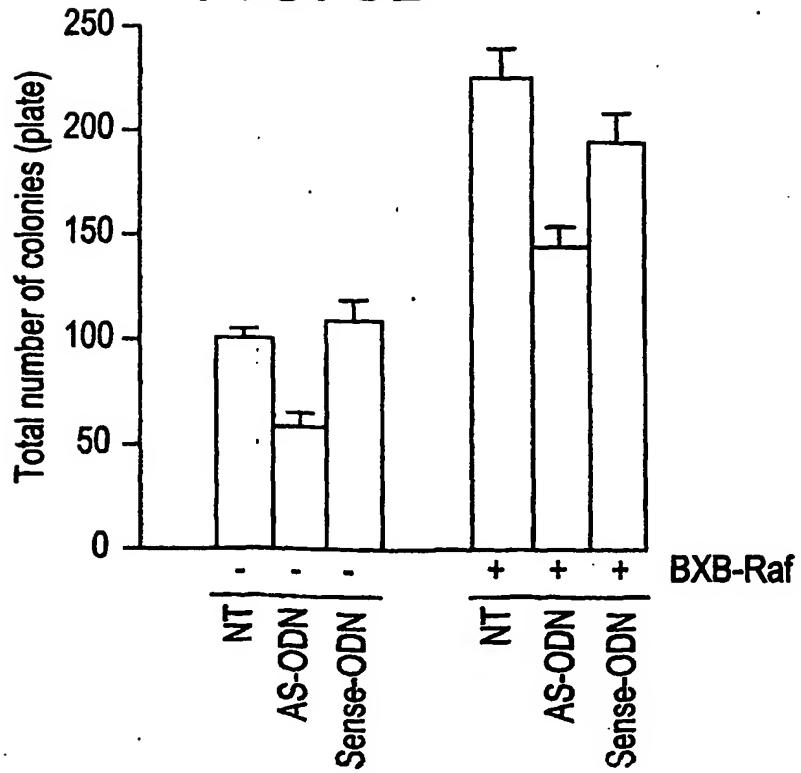


FIG. 9D



**FIG. 9E**

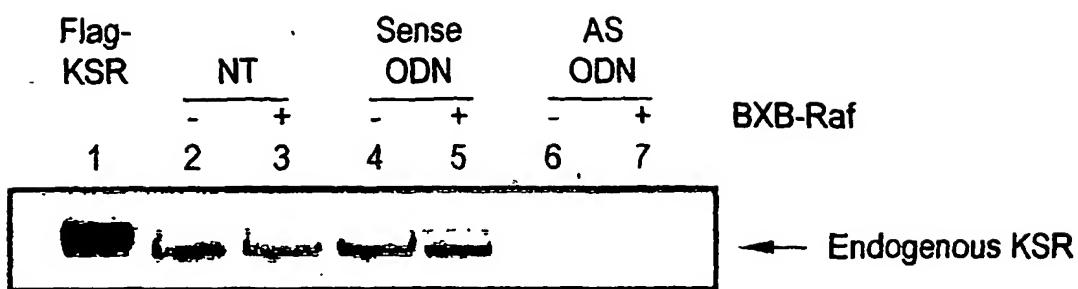
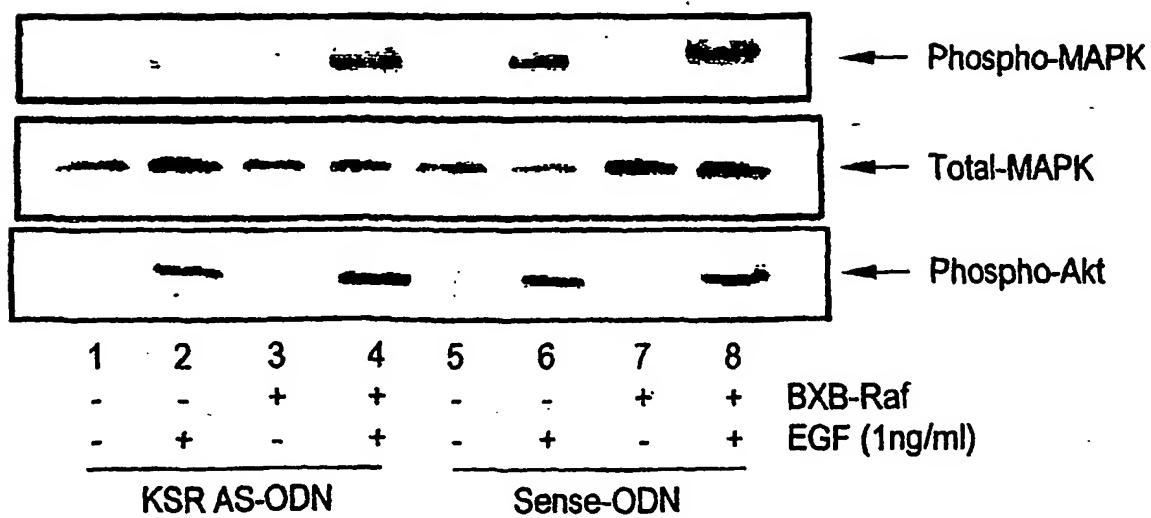
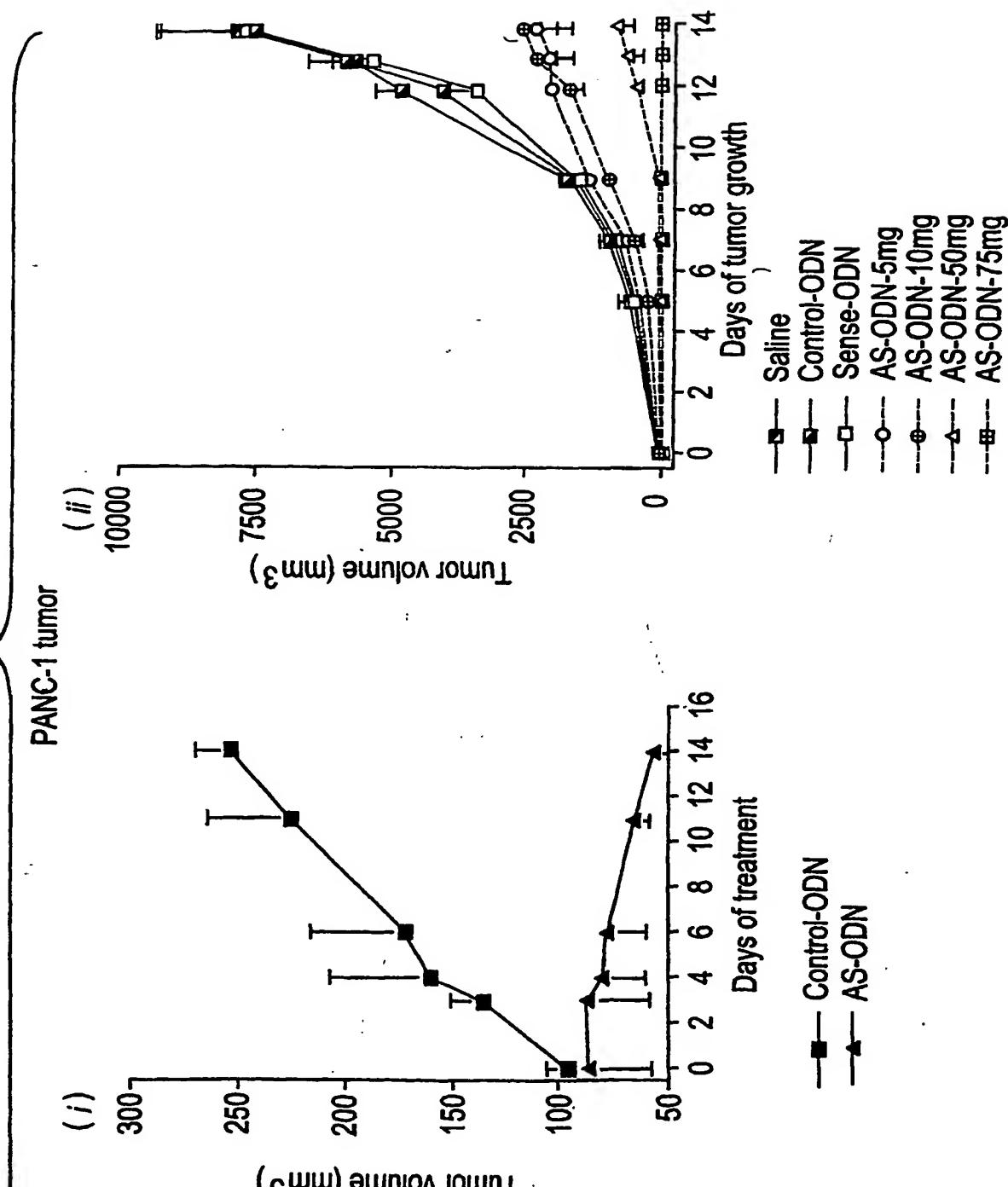


FIG. 9F



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FIG. 10A



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FIG. 10B

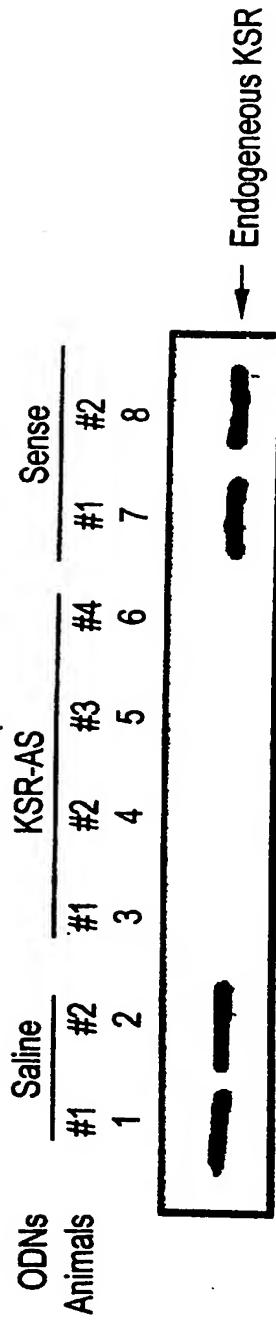
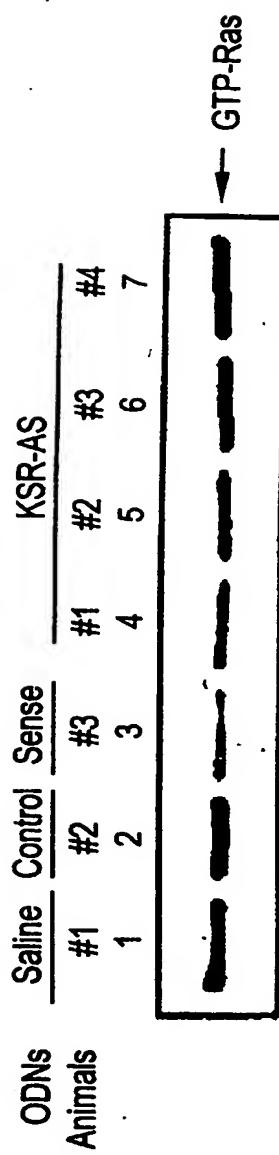


FIG. 10C

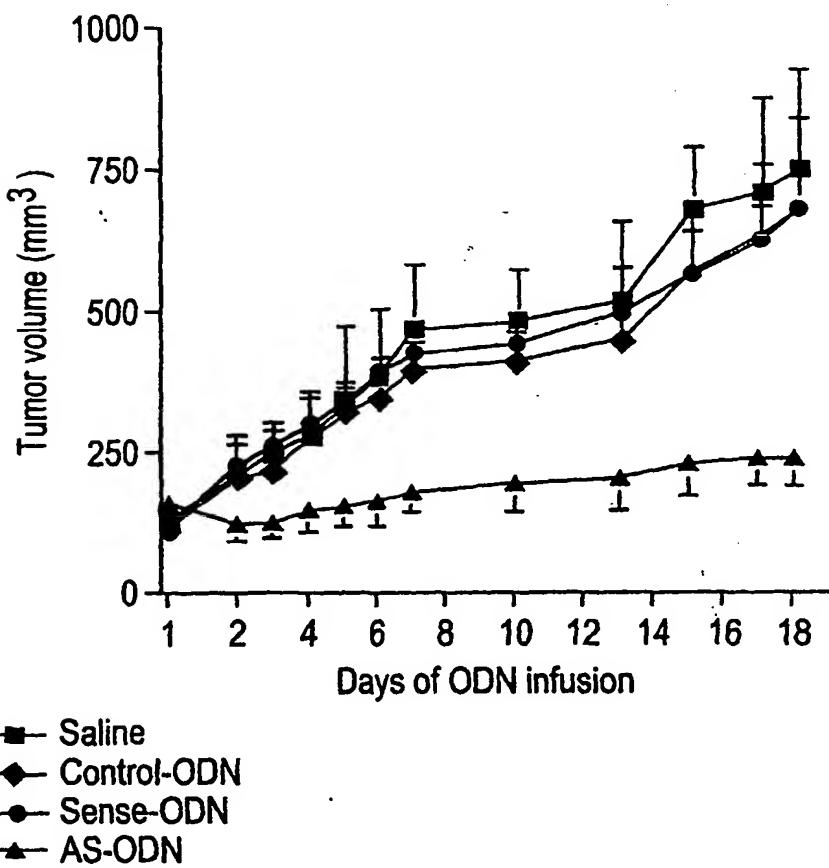


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FIG. 10D

A549 tumor

(i)



(ii)

Number of lung metastases foci  
(whole lung surface)

Dose of infusion (mg/kg /Day)	Sense-ODNs	AS-ODN	% inhibition
10	7.4 ± 1.4	2.5 ± 0.6	65
25	10.2 ± 1.8	1.4 ± 0.5	86

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☆ ☆ ☆ ☆

Human	MGEK-EGGGGGDAAAEGGAGAAASRALQQCG <b>QLO</b>	34
Mouse	MDRAALRAAA K -- V	

CA1

Human	KLSVAPGERTPELNSYPRFSDWLYTFNVRPEVVQEIPRDLTLDAL	124
Mouse	I SD A I QE	

Human	LEMNEAKVKETLRRCGASGDECGRQLQYALTCLRKVTLGGHEKED	169
Mouse	D A M W T E S O	M

**Human** SSWSSLDARRESGSGPSTDLSAASLPWPPGSSSQLGRAGNSAQGP **214**  
**Mouse** G I D S -L P M M S----- A T

Human RSISV<sup>S</sup>ALPASD<sup>S</sup>P<sup>T</sup>PSF<sup>E</sup>C<sup>L</sup>S<sup>D</sup>T<sup>C</sup>IPLHASGRLTP<sup>R</sup>ALHS<sup>F</sup>IT → 259  
Mouse V GL S I

CA2

**Human** PPTTPQLRRHTKLKPPRTPPPPSRKVFOLLPSFPTLTRRKSHESQ 304  
**Mouse** A

**Human** LGNRIDDVSSMRFDL<sup>S</sup>HGSPQMVRD<sup>I</sup>GL**SVTHRFSTKSWL**SOVC 349  
**Mouse** TP K E P L

CA3

**Human** HVCOKSMIFGVKCKHCR~~L~~KCHNKCTKEAPACRISFLPLTRLRRTE 394  
**Mouse** N I A

**Human** SVPSDINNPVDRAAEPHFGTLPKALTKKEHPPAMNHLDSSSNPSS 439  
**Mouse** -

CA 4

**Human** TTSSTPSSPAPFPTSSNPSSATTPPNPGORDSRFNFPAAAYFIH 484  
**Mouse** L S -----

**Human** HROOFIFPDISAFAHAAPLPEAADGTRLDDQPKADVLEAHEAEAE 529  
**Mouse** ----- CSC SST S I GV

**Human** EPEAGKSEAEDDED-EVDDLPSRRPWRGPISRKASQTSVYLQEWA 573  
**Mouse** ED

**Fig. 11-1**

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## FIG. 11-2

	I	II	
Human	DDIPFEQVELGEPIGQGRWGRVHRGRWHGEVAIRLLEMEDGHNQDH		618
Mouse			
	III	IV	V
Human	LKLFKKEVMNYRQTRHENVVLFMGACMNPPHLAIITSFCKGRTLH		663
Mouse			
	VIA	VIB	
Human	SFVRDPKTSLDINKTRQIAQEIIKGGMGYLHAKGIVHKDLKSKNVF		708
Mouse			
	VII	VIII	
Human	YDNGKVITDFGLFGISGVVREERRENQLKLSHDWLCYLAPEIVR		753
Mouse			
	IX		
Human	EMTPGKDEDQLPFSKAADVYAFGTWWYELQARDWPLKNQAAEASI		798
Mouse	I R	F H P L	
	X	XI	
Human	WQIGSGEGMKRVLTSVSLGKEVSEILSACWAFDLQERPSFSLMD		843
Mouse	VR A G		
Human	MLEKLPKLNRRRLSHPGHFWKSAEL		867
Mouse	R	DINSSKVMRFERFGLGTLESGN	
Mouse	PKM		

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## FIG. 12A-1

1 GAATTCCCTC GGGGCTTCC TGCCGAGGCG CCCGTGTCCC CGGGCTCCTC GCCTCGGCC  
 61 CCAGCGGCC CGATGCCGAG GCATGGATAG AGCGGCCTTG CGCGCGGCAG CGATGGCGA  
 121 GAAAAGGAG GGCGGCGCG GGGCGCCGC GGCGGACGGG GGCGCAGGGG CCGCCGTCAG  
 181 CCGGGCGCTG CAGCAGTGC GCGACCAAGT GCTCAGTGTG TAACGACCTC ACACAGCAGG AGATCCGGAC  
 241 GCGCGGGCTG CGCACCAAGT GCGACCAAGT GCTCAGTGTG TAACGACCTC ACACAGCAGG AGATCCGGAC  
 301 CCTAGAGGCA AAGCTGGTGA AATACATTTG CAAGCAGCAG CAGAGCAAGC TTAGTGTGAC  
 361 CCCAAGCGAC AGGACCGCCG AGCTAACAG CTACCCACGC TTCAGTGAAT GGCTGTACAT  
 421 CTTCAACGTG AGGCTGAGG TGGTGCAGGA GATCCCCAA GAGTCACAC TGGATGCTCT  
 481 GCTGGAGATG GACGAGGCCA AAGCCAAGGA GATGCTGCGG CGCTGGGGGG CCAGCACCGA  
 541 GGAGTGCAGC CGCCTACAGC AAGCCCTTAC CTGCCTTCGG AAGGTGACTG GCCTGGGAGG  
 601 GGAGCACAAA ATGGACTCAG GTTGGAGTTC AACAGATGCT CGAGACAGTA GCTTGGGGCC  
 661 TCCCATGGAC ATGCTTTCT CGCTGGGCAG AGCGGGTGCC AGCACTCAGG GACCCGGTTC  
 721 CATCTCCGTG TCCGCCCTGC CTGCCTCAGA CTCTCCGGTC CCCGGCCTCA GTGAGGGCCT  
 781 CTCGGACTCC TGTATCCCC CTCGGACTCC TGTATCCCC TGCACACCAAG CCGCCGGCTG ACCCCCCGGG CCCTGCACAG  
 841 CTTCATCACG CCCCCCTACCA CACCCCAAGCT ACGACGGCAC GCCAAGCTGA AGCCACCAAG  
 901 GACACCCCCA CCGCCAAGCC GCAAGGTCTT CCAGCTGCTC CCCAGCTTCC CCACACTCAC  
 961 ACGGAGCAAG TCCCACGAGT CCCAGCTGGG AAACCGAATC GACGACGTCA CCCCCGATGAA  
 1021 GTTTGAACCTC CCTCATGGAT CCCCCACAGCT GGTACGAAGG GATATCGGGC TCTCGGTGAC  
 1081 GCACAGGTTT TCCACAAAGT CATGGTTGTC ACAGGTGTG AACGTGTGCC AGAAGAGCAT  
 1141 GATTTTGCGC GTGAAGTGCA AACACTGCAG GTAAAAATGC CATAACAAGT GCACAAAGGA  
 1201 AGCTCCCGCC TGCAGGATCA CTTTCCCTCC ACTGGCCAGG CTTCGGAGGA CAGAGTCTGT  
 1261 CCCGTCAAGAT ATCAACAAACC CAGTGGACAG AGCAGCAGAG CCCCCATTTG GAAACCTTCC  
 1321 CAAGGCCCTG ACAAAAGAAGG AGCACCCCTCC AGCCATGAAC CTGGACTCCA GCAGCAACCC  
 1381 ATCCTCCACC ACGTCCCTCCA CACCCCTCATC GCCGGCACCT TTCCCTGACCT CATCTAATCC  
 1441 CTCCAGTGC ACCACGCCCTC CCAACCCGTG ACCTGGCCAG CGGGACAGCA GGTCAGCTT  
 1501 CCCAGACATT TCAGCCTGTT CTCAGGCGAG CCCCCATCTC TCGAAAGGCC AGCCAGACCA GCGTTACCT  
 1561 GCTCGACGAC CAGCCCCAAA CAGATGTGCT AGGTGTTCAC GAAGCAGAGG CTGAGGAGGC  
 1621 TGAGGCTGGC AAGTCAGAGG CAGAGGATGA CGAGGAGGAT GAGGTGGACG ACCTCCCCAG  
 1681 CTCCCGCCGG CCCTGGAGGG GCCCCATCTC TCGAAAGGCC AGCCAGACCA GCGTTACCT  
 1741 GCAAGAGTGG GACATCCCC TTGAACAGGT GGAACTGGGC GAGCCCATGG GACAGGGTCG  
 1801 CTGGGGCCGG GTGCACCGAG GCGCTTGGCA TGGCGAGGTG GCCATTGGC TGCTGGAGAT  
 1861 GGACGGCCAC AATCAGGACC ACCTGAAGCT GTTCAAGAAA GAGGTGATGA ACTACCGCA  
 1921 GACCGGGCAT GAGAACGTGG TGCTCTTCAT GGGGGCCTGC ATGAACCCAC CTCACCTGGC  
 1981 CATTATCACC AGCTTCTGCA AGGGGGGAC ATTGCATTCA TTGGTGAGGG ACCCCAAGAC  
 2041 GTCTCTGGAC ATCAATAAGA CTAGGCAGAT CGCCCAGGAG ATCATCAAGG GCATGGGTTA  
 2101 TCTTCATGCA AAAGGCATCG TGCAACAAGGA CCTCAAGTCC AAGAATGTCT TCTATGACAA  
 2161 CGGCAAAGTG GTCATCACAG ACTTCGGGCT GTTGGGATC TCGGGTGTGG TCCGAGAGGA  
 2221 ACGGCGCGAG AACCAACTGA AACTGTACAA TGACTGGCTG TGCTACCTGG CCCCCGAGAT  
 2281 CGTACGAGAA ATGATCCCC GGCGGGACGA GGACCAGCTG CCCCTCTCCA AAGCAGCCGA  
 2341 TGTCTATGCA TTCGGGACTG TGTGGTATGA ACTACAGGCA AGAGACTGGC CCTTTAAGCA  
 2401 CCAGCCTGCT GAGGCCCTGA TCTGGCAGAT TGGAAGTGGG GAAGGAGTAC GGCGCGTCCT  
 2461 GGCATCCGTC AGCCTGGGA AGGAAGTCGG CGAGATCCTG TCTGCCTGCT GGGCTTCGA  
 2521 TCTGCAGGAG AGACCCAGCT TCAGCCTGCT GATGGACATG CTGGAGAGGC TGCCCAAGCT  
 2581 GAACCGGGCGG CTCTCCCACC CTGGGCACCTT TTGGAAGTGC GCTGACATTA ACAGCAGCAA  
 2641 AGTCATGCCCG CGCTTTGAAA GGTTTGGCCT GGGGACCCCTG GAGTCCGGTA ATCCAAAGAT

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## FIG. 12A-2

2701 GTAGCCAGCC CTGCACGTTTC ATGCAGAGAG TGTCTTCCTT TCGAAAACAT GATCACGAAA  
2761 CATGCAGACC ACCACCTCAA GGAATCAGAA GCATTGCATC CCAAGCTGCG GACTGGGAGC  
2821 GTGTCTCCTC CCTAAAGGAC GTGCGTGCCT GCCTGCGTGC GTGCGTGCCT GCGTGCCTCA  
2881 CCAAGGTGTG TGGAGCTCAG GATCGCAGCC ATACACGCAA CTCCAGATGA TACCACTACC  
2941 GCCAGTGTGTT ACACAGAGGT TTCTGCCTGG CAAGCTTGGT ATTTCACAGT AGGTGAAGAT  
3001 CATTCTGCAG AAGGGTGCTG GCACAGTGGA GCAGCACGGG TGTCCTCAGC CCCCCTCTG  
3061 GAAGACCCCTA CAGCTGTGAG AGGCCAGGG TTGAGCCAGA TGAAAGAAA GCTGCGTGGG  
3121 TGTGGGCTGT ACCCGGAAAAA GGGCAGGTGG CAGGAGGTTT GCCTTGGCCT GTGCTTGGC  
3181 CGAGAACACAC ACTAAGGAGC AGCAGCCTGA GTTAGGAATC TATCTGGATT ACGGGGATCA  
3241 GAGTTCCCTGG AGAGTGGACT CAGTTCTGC TCTGATCCAG GCCTGTTGTG CTTTTTTTT  
3301 TTCCCCCTTA AAAAAAAAAGTACAGACA GAATCTCAGC GGCTTCTAGA CTGATCTGAT  
3361 GGATCTTAGC CCGGCTTCTA CTGCGGGGGG GAGGGGGGAGG GGGATAGCCA CATATCTGTG  
3421 GAGACACCCA CTTCTTTATC TGAGGCCTCC AGGTAGGCAC AAAGGCTGTG GAACTCAGCC  
3481 TCTATCATCA GACACCCCCC CCCAATGCCT CATTGACCCCC CTTCCTCCAG AGCCAAGGGC  
3541 TAGCCCCATCG GGTGTGTGTA CAGTAAGTTC TTGGTGAAGG AGAACAGGGGAGG CTTGGCAGA  
3601 AGCAGTTTGC AGTGGCCCTA GCATCTAAA ACCCATTGTC TGTCACACCA GAAGGTTCTA  
3661 GACCTACCAC CACTCCCTT CCCCACATCTCA TGGAAACCTT TTAGCCCATTT TGACCCCTG  
3721 TGTGTGCTCT GAGCTCAGAT CGGGTTATGA GACCGCCAG GCACATCAGT CAGGGAGGCT  
3781 CTGATGTGAG CCGCAGACCT CTGTGTTCAT TCCTATGAGC TGGAGGGCTT GGACTGGGTG  
3841 GGGTCAGATG TGCTTGGCAG GAACTGTCAG CTGCTGAGCA GGGTGGTCCC TGAGCGGAGG  
3901 ATAAGCAGCA TCAGACTCCA CAACCAGAGG AAGAAAGAAA TGGGGATGGA GCGGAGACCC  
3961 ACGGGCTGAG TCCCGCTGTG GAGTGGCCTT GCAGCTCCCT CTCAGTTAAA ACTCCCAGTA  
4021 AAGCCACAGT TCTCCGAGCA CCCAAGTCTG CTCCAGCCGT CTCTTAAAC AGGCCACTCT  
4081 CTGAGAAGGA ATTC

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## FIG. 12B-1

1 GCGAAGCTGG TCCGTTACAT TTGTAAGCAG AGGCAGTGCA AGCTGAGCGT GGCTCCGGT  
61 GAGAGGACCC CAGAGCTAA CAGCTACCCC CGCTTCAGCG ACTGGCTGTA CACTTCAAC  
121 GTGAGGCCGG AGGTGGTGCA GGAGATCCCC CGAGACCTCA CGCTGGATGC CCTGCTGGAG  
181 ATGAATGAGG CCAAGGTGAA GGAGACGCTG CGGCGCTGTG GGGCCAGCGG GGATGAGTGT  
241 GGCCGTCTGC AGTATGCCCT CACCTGCCTG CGGAAGGTGA CAGGCCTGGC TTCATCACCC  
301 CGCCCACCAC ACCCCAGCTG CGACGGCACA CCAAGCTGAA GCCACCACGG ACGCCCCCCC  
361 CACCCAGCCG CAAGGTCTTC CAGCTGCTGC CCAGCTTCCC CACACTCACC CGGAGCAAGT  
421 CCCATGAGTC TCAGCTGGGG AACCGCATTG ATGACGTCTC CTGGATGAGG TGAGTTGGGA  
481 GCACGTTCCCT GCACGTGGCT ATGCTGTGGG GCCTCTCTCA TGAGTCAGAG CGGAGGGAGA  
541 CAGCTGTGCC TCTGGAGTCT GCTTTTAATT GTCTGGAAAT GCAGAGATGT CTGGTTTTG  
601 CCTGAGCAAA ATAGGAGTTT ATTTTTGTAC TATCCCGAGC TGGCTAAGGA GAGTCACGTA  
661 GCTGTGGCG GGGTCTTGGG GATGAGGAGG GGTACAGCAG GCAGGGACTA TGCTGAAGTG  
721 GAGCTGGCTG TAGGAACCCC AGGGAGGCAC AGGGGGAGCA TGAAGAGGAG CTACACTTCC  
781 CTCCCTTAGT GCCCGGGCAG AAACCTCCAG GGCCCTTCAC AGAACCTTGG AGGAACATTC  
841 AACACCCCCA TCTCTAGGAC AGCCCCAGCC TTGTCATCCT CCAATTGCTG TGGTAACACG  
901 GGGACTGGAG CAGTGAGATT ATTAGGCCTT CAGGGCCAGT GTCTCCATGC AGATCAGATG  
961 GAGGCGGTGC TTGGCACATA CACCACCTCA CTGCCCATGC CCCCAGAAGT TGGTGCGAGAT  
1021 CATAAGGTGG CTTTGGGGC TAATTGATTG AAGTTCCAAC ATAGTCTGTT TCTCCTAGGC  
1081 TGGTAGCTGG CACCTTGGC CCCATGTGTT TTTTAATTAT TTTTCTTTT GAGACGAAAT  
1141 CTCGCTCTAT CACCCAGGCT GAAGTGCAGT AGTGAATCT CAGCTCACTG CAGCCTCTGC  
1201 CTCCCGGGTT CAAGCAATT CTCCTGCCTCA GCCTCCCGAG TAGCCAGGAT TAAAGGTGCC  
1261 TGCCACCACA CATGGCTAAT TTTTGTATTT TTAATAGAGA CGGGGTTTCA CCATGTTAGC  
1321 CAGGCTGGTC TCAAACCTCT GACCTCAGGT GATCTTCCTG CCTCAGCCTC CCAAAGTGCT  
1381 GGGATTACAG GTGTGAGCCA CTGCGCCAG TCATGCCAT GTGTTTTGGT GGTCTGGCT  
1441 GCTGATGGGT GGGGTGAGCC CCAGGAGGAA GTTGGGACAA GTCAACCTCA TGGCAGATGT  
1501 GCCAGGGAGA GCTGGGGGTG AGATAGATTG TTCTATCCC CCTCTCCTTG ATGTGGAGG  
1561 ACTCAGTACC TCCAGCACAC CCTTCTCATG GAGGTTGGT ATGTGGTACT TGGCCTCAAG  
1621 TGAACCAGCA CTTCATGAGT CCAGCTTTGT GCTAGACCAG CACTTGGGAT TGAGGGGGC  
1681 AGTGGCCACC CTCGGGGGAC CTTCTGACTC AGAGGACATG AGATGGCCAC ACTCGAGCAC  
1741 TGTGTTCTG ACCTTCTGG GTCACAGGTC ACCTTGATGA TTGGATGAAA GTCTTAGATC  
1801 TTCTTCCAG AGAAAAGTCT ACAACATTCT ACTGAACCAAG TCCAGAGGGT TCCCAGGACCC  
1861 CCGAAGCCCA CCCATGGGCT GGCTCTGGGA GGCAATGGCG CTGAGTATGG GGGCATCTCT  
1921 CGCATGGATC CCCACAGATG GTACGGAGGG ATATCGGGCT GTCGGTGACG CACAGGTTCT  
1981 CCACCAAGTC CTGGCTGTG CAGGTCTGCC ACGTGTGCCA GAAGAGCATG ATATTGGAG  
2041 TGAAGTGCAA GCATTGCAGG TTGAAGTGTCA ACAACAAATG TACCAAAAGAA GCCCCTGCCT  
2101 GTAGAAATATC CTTCTGCCA CTAACTCGGC TTCGGAGGAC AGAATCTGTC CCCTCGGACA  
2161 TCAACAAACCC GGTGGACAGA GCAGCCGAAC CCCATTGGG AACCCCTCCCC AAAGCACTGA  
2221 CAAAGAAGGA GCACCCCTCCG GCCATGAATC ACCTGGACTC CAGCAGCAAC CCTTCCCTCCA  
2281 CCACCTCCTC CACACCCCTCC TCACCGGCGC CCTTCCCGAC ATCATCCAAC CCATCCAGCG

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## FIG. 12B-2

2341 CCACCACGCC CCCCAACCCC TCACCTGGCC AGCGGGACAG CAGGTTAAC TTCCAGCTG  
2401 CCTACTTCAT TCATCATAGA CAGCAGTTA TCTTTCCAGA CATTTCAGCC TTTGCACACG  
2461 CAGCCCCGCT CCCTGAAGCT GCCGACGGTA CCCGGCTCGA TGACCAGCCG AAAGCAGATG  
2521 TGTTGGAAGC TCACGAAGCG GAGGCTGAGG AGCCAGAGGC TGGCAAGTCA GAGGCAGAAG  
2581 ACGATGAGGA CGAGGTGGAC GACTTGCAGA GCTCTCGCCG GCCCTGGCGG GGCCCCATCT  
2641 CTCGCAAGGC CAGCCAGACC AGCGTGTACC TGCAGGAGTG GGACATCCCC TTCGAGCAGG  
2701 TAGAGCTGGG CGAGCCCCATC GGGCAGGGCC GCTGGGGCCG GGTGCACCGC GGCGCTGGC  
2761 ATGGCGAGGT GGCCATTCGC CTGCTGGAGA TGGACGGCCA CAACCAGGAC CACCTGAAGC  
2821 TCTTCAAGAA AGAGGTGATG AACTACCGGC AGACGCGGC TGAGAACGTG GTGCTTTCA  
2881 TGGGGGCCTG CATGAACCCG CCCCCACCTGG CCATTATCAC CAGCTTCTGC AAGGGCGGA  
2941 CGTTGCACTC GTTTGTGAGG GACCCCAAGA CGTCTCTGGA CATCAACAAG ACGAGGCAAA  
3001 TCGCTCAGGA GATCATCAAG GGCATGGGAT ATCTTCATGC CAAGGGCATC GTACACAAAG  
3061 ATCTCAAATC TAAGAACGTC TTCTATGACA ACGGCAAGGT GGTCACTCACA GACTTCGGGC  
3121 TGTTTGGGAT CTCAGGCGTG GTCCGAGAGG GACGGCGTGA GAACCAGCTA AAGCTGTCCC  
3181 ACGACTGGCT GTGCTATCTG GCCCCCTGAGA TTGTACGCGA GATGACCCCC GGGAAAGGACG  
3241 AGGATCAGCT GCCATTCTCC AAAGCTGCTG ATGTCTATGC ATTTGGGACT GTTTGGTATG  
3301 AGCTGCAAGC AAGAGACTGG CCCCCTGAAGA ACCAGGCTGC AGAGGCATCC ATCTGGCAGA  
3361 TTGGAAGCGG GGAAGGAATG AAGCGTGTCC TGACTTCTGT CAGCTTGGGG AAGGAAGTCA  
3421 GTGAGATCCT GTCGGCCTGC TGGGCTTTCG ACCTGCAGGA GAGACCCAGC TTCAGCCTGC  
3481 TGATGGACAT GCTGGAGAAA CTTCCCAAGC TGAACCGGGG GCTCTCCAC CCTGGACACT  
3541 TCTGGAAGTC AGCTGAGTTG TAGGCCTGGC TGCCCTGCAT GCACCAGGGG CTTTCTTCCT  
3601 CCTAAATCAAC AACTCAGCAC CGTGACTTCT GCTAAAATGC AAAATGAGAT GCGGGCACTA  
3661 ACCCAGGGGA TGCCACCTCT GCTGCTCCAG TCGTCTCTCG CGAGGCTACT TCCTTTGCTT  
3721 TGTTTTAAAA ACTGGCCCTC TGCCCTCTCC ACGTGGCCTG CATATGCCCA AG

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FIG. 13A

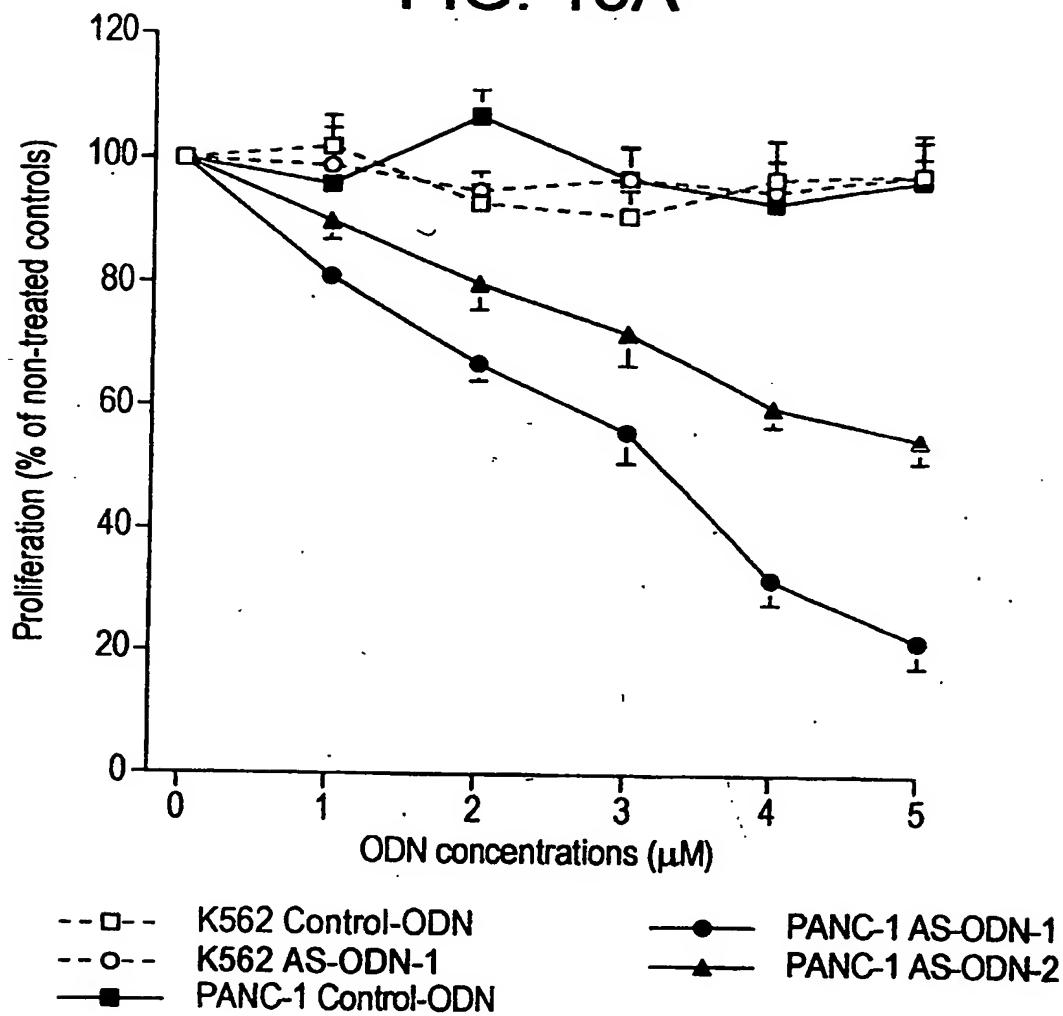


FIG. 13B

